

Unit 10 Day 2 HW
Simplifying Radicals

Name: _____

Date: _____ Per: _____

Simplify:

1) $\sqrt{x^4 y^3}$

2) $\sqrt{x^3 y^2}$

3) $\sqrt{xy^4}$

4) $\sqrt{512xy}$

5) $\sqrt{72u^4 v^2}$

6) $\sqrt{98x^2 y^3}$

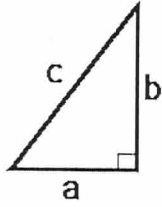
7) $\sqrt{50uv^3}$

8) $\sqrt{96xy^2}$

9) $\sqrt{54}$

10) $\sqrt{294}$

Pythagorean Theorem



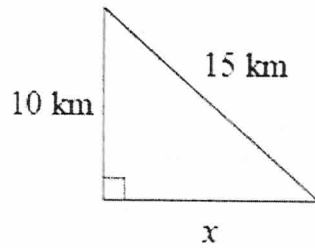
$$a^2 + b^2 = c^2$$

Only in right triangles!

a and b are switchable!

c must be the longest side, across from the right angle (little square)

1)



2)

